



PATENT  
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H. H. Lee  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: KEITH R. BARKER ET AL.  
Serial No.: 09/249,895  
Filed: February 16, 1999  
For: RAIN FADE MITIGATION IN A  
DATA TRANSMISSION SYSTEM

Date: June 8, 2000  
Group Art Unit: 2733  
Examiner: D. Trinh

TO 2800 MAIL ROOM

AMENDMENT

Commissioner of Patents and Trademarks  
Washington, D. C. 20231

Sir:

In response to the Office Action mailed May 23, 2000, please amend the above-identified patent application as follows.

IN THE CLAIMS

Please amend the following Claims as indicated.

1. (Amended) A data broadcasting system for distributing data to one or more remote locations in a rain fade environment, comprising:

a transmitting processor for forming data packets comprising data to be transmitted;

5 a data distribution system for transmitting the data packets at least two times to one or more receivers located at remote locations, which times are separated by a time delay having a duration that is related to a rain fade event, which time delay is sufficient to allow data reconstruction in the presence of the rain fade event; and

the one or more receivers receiving the data packets and processing the data packets transmitted the at least two times to reconstruct the originally transmitted data.

12. [13.] (Amended) A rain fade mitigation method for distributing data to one or more remote locations in a rain fade environment, comprising the steps of:

forming data packets comprising data to be transmitted;

5 transmitting the data packets at least two times to one or more remote locations, which times are separated by a time delay having a duration that is related to a rain fade event, which time delay is sufficient to allow data reconstruction in the presence of the rain fade event;

receiving the data packets at the one or more remote locations; and

processing the received data packets at the one or more remote locations to reconstruct the data.

13. [14.] (Amended) The method recited in Claim 12 [13] wherein the step of forming data packets comprises forming data packets containing data to be transmitted and

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Cont.

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